# SUNFLOWER SHRIMP

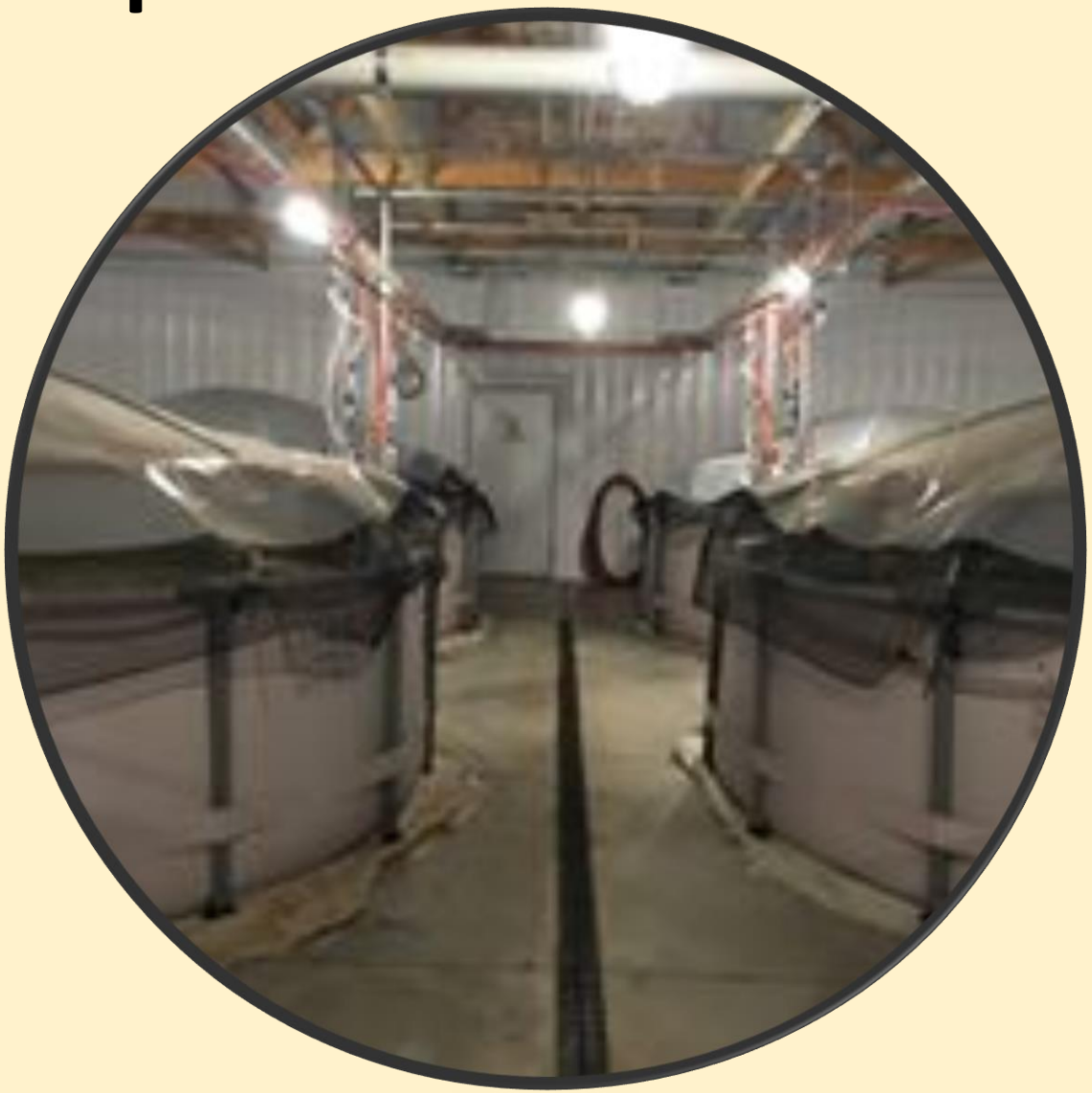
Oxford, Kansas

**The beginnings of a dream…**
**to feed the world!**

# Sunflower Shrimp Mission

**Raise locally grown, freshly harvested hormone and antibiotic free Pacific White Saltwater Shrimp with a tiny environmental footprint**

# How do we grow saltwater shrimp indoors in Kansas?



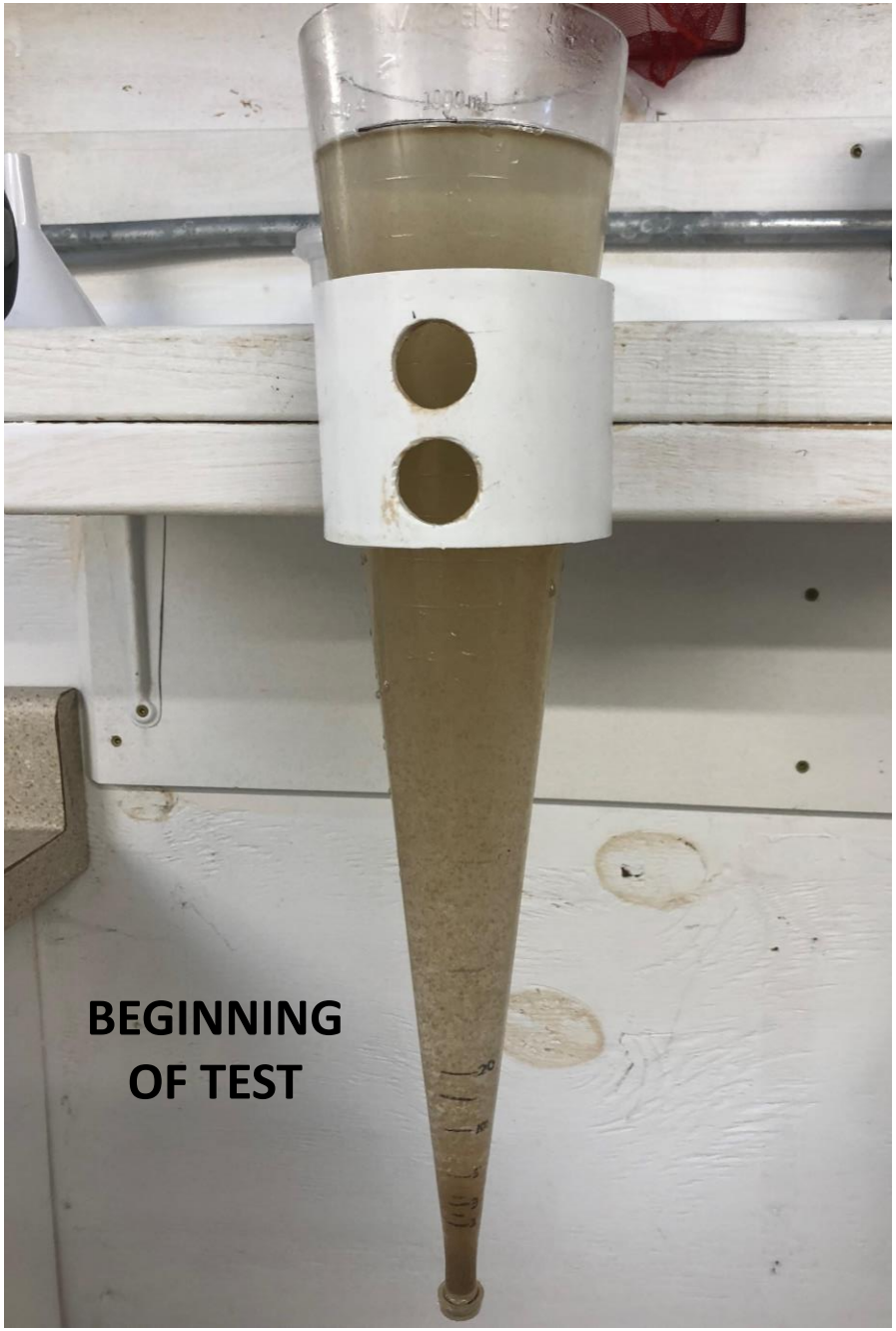
# RAS – Recirculating Aquaculture System

## A ZERO WATER DISCHARGE SYSTEM

**Utilizing the same water for continuous production cycles, preserving salinity levels and biofloc**

# What is BIOFLOC?

**Biofloc is a biological filtering system composed of many species of organisms, including plant and animal components such bacteria, protozoa, and algae**


BEGINNING
OF TEST


FLUFFY FLOC!


BIOFLOC MANAGEMENT

# The energy demands of Sunflower Shrimp

| Location | Devices | Watts | hrs/day | Watt-hr/Day | Watt-hr/Yr |
|---|---|---|---|---|---|
| **Total** | 66 | 21,422 | 12 | 141,802 | 51,793,272 |
| **mechanical** | 8 | 6,152 | 18 | 122,755 | 44,836,337 |
| **lab** | 11 | 10,038 | 15 | 8,301 | 3,031,984 |
| **production** | 26 | 2,174 | 14 | 3,652 | 1,333,747 |
| **bathroom** | 4 | 1,469 | 6 | 992 | 362,419 |
| **outside** | 2 | 44 | 17 | 620 | 226,309 |
| **selling** | 9 | 201 | 13 | 3,286 | 1,200,387 |
| **office** | 5 | 264 | 13 | 2,196 | 802,089 |
| **nursery** | 1 | 1,080 | 0 | 0 | 0 |
| | | 0 | | | |
| | | 0 | | | |
| **Activities and Offsite** | | 2,674 | | | 3,994,525 |
| **NurseryXchange** | 1 | 36 | 0 | 0 | 8,241 |
| **poolround** | 2 | 2,014 | 0 | 0 | 50,350 |
| **offsite** | 3 | 624 | 19 | 3,592 | 3,935,934 |
| | | | | | |
| | | | | | |
| | | | | | |
| **Total Watts** | | 24,096 | | 141,802 | 55,787,796 |
| **KW** | | 24 | 0 | 141.80 | 55,788 |

April 23, 2018

**USDA REAP Grant April 2018 Application Review Team:**

Enclosed please find the grant application for Sunflower Shrimp LLC located in Oxford, Kansas. Below is a summary of the methodology used to calculate the annual energy use for the business, Sunflower Shrimp LLC, and the annual percentage of energy to be replaced by the proposed solar system.

**Summary of Energy Usage and Proposed Solar Generation for Sunflower Shrimp LLC**

| Description | Value | Units | Variable/ Calculation |
|---|---|---|---|
| Annual energy usage for 360 South Oxford Road, Oxford, Kanas (home + business): Note 1 | 55,698 | kWh/year | A |
| Percentage of energy associated with business: Note 2 | 95.7% | % | B |
| Annual business energy usage: | 53,302 | kWh/year | A * B = C |
| Annual amount of renewable energy to be generated by proposed system: | 44,163 | kWh/year | D |
| Annual percentage of energy to be replaced: | 83% | % | D / C * 100 = E |

*Note 1:* Annual energy usage determined by SRI Wind Solar, using electrical utility bills received from Sunflower Shrimp LLC. This value includes the total energy usage for the residence and the business (Sunflower Shrimp LLC), which is located in a detached barn on the property.

*Note 2:* Percentage of energy associated with business determined through an inventory of all electricity-consuming equipment used by Sunflower Shrimp LLC (inventory completed by Sunflower Shrimp LLC and verified by Kansas State University Engineering Extension). This inventory includes blowers, hydronic pumps, boilers, heaters, lights, fans, and various other pieces of equipment required to operate and maintain temperature and humidity for nine 3,000 gallon tanks. In the Report Supplement tab, EEX has provided a copy of the Excel spreadsheet used to calculate the energy consumption as part of this grant application, as well as Sunflower Shrimp energy data.

Should you have any questions, please do not hesitate to contact myself or Yvonne Cook (*evie@ksu.edu*).

Sincerely,

David A. Carter
*K-State Engineering Extension – Kansas Energy Program*
*dcarter@ksu.edu; 785-532-4998*

For 2018

| Enter Dates eg.1/1/2007 | First Date 1/1/2018 | Second Date 12/31/2018 |
|---|---|---|
| Day of Week | Monday | Monday |
| Sunrise | 7:43:00 AM | 7:43:00 AM |
| Sunset | 5:22:00 PM | 5:21:00 PM |
| Hours of Daylight | 9:39 | 9:38 |
| Elapsed Days | 365.00 | |
| Hours of Daylight from first to second date | 4449.97 | |
| Hours of Night from first to second date | 4310.03 | |
| | 8760.00 | |

# The energy supply for Sunflower Shrimp Production



# Installing the Solar System


**July 2018**

**Project Financial Summary**

| | | |
|---|---|---|
| Utility Saving Over Initial Term | $219,259.58 | USD |
| Payback Period | 4.87 | Years |
| Total Life-Cycle payback | 469.0 % | |
| Levelized Cost of Solar Energy | $0.03 | / KWH (over system life) |
| Rate of Return on Cash Invested | 19.5 % | |
| Average Monthly Bill Savings | $730.87 | (over system life) |

"Contract Price/Project Cost" in Project Cost Summary table shows the proposed total contract amount due and payable by you, the customer. SRI Wind Solar will handle rebates application if rebates are available. Actual rebate or incentives amount may vary, based on availability at time of application submittals.

Solar PV system output and estimated savings are calculated based on several factors including product type, system production, geography, weather, shade, electricity use, full utilization of the 30% solar investment tax credit, and utility rate structures and rate increases.

## Energy / Electricity Analysis

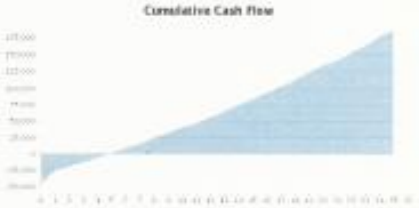
We use your historical energy usage data to analyze and size proposed solar system. Based on the system size suggested, the first-year electricity bill saving projection is provided together with a chart of the monthly solar system output (PV production). In addition, the expected electricity bill saving over next 25 year period are provided as well.



## Benefits of Solar

- Significantly reduce annual electric bills
- Protect from rising electric rates
- Attractive cash flow
- Attractive return on investment
- Reduce CO2, NOX and SOX gas emissions
- Increase property value
- Enjoy Fed / State tax saving
- Enjoy new technology

## Saving / Cash Flow / Payback Analysis




### Quick Summary

- PAYBACK PERIOD: 4.87 YEARS
- 1ST YEAR % OF BILL OFFSET: 83.0 %
- 25YRS BILL SAVING: $219,259.58

| Year | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| Annual Bill w/o solar | | $7,554 | $7,831 | $8,107 | $8,384 | $8,661 | $8,937 | $9,214 | $9,490 |
| Annual Bill w solar | | $1,279 | $1,328 | $1,378 | $1,427 | $1,477 | $1,527 | $1,578 | $1,628 |
| Incentive & Depreciatoin Summary | | $14,031 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Energy Bill Saving | | $6,276 | $6,503 | $6,730 | $6,957 | $7,183 | $7,410 | $7,636 | $7,862 |
| Annual Cash Flow | ($46,771) | $20,307 | $6,503 | $6,730 | $6,957 | $7,183 | $7,410 | $7,636 | $7,862 |
| Cumulative Cash Flow | ($46,771) | ($26,464) | ($19,962) | ($13,232) | ($6,275) | $908 | $8,318 | $15,954 | $23,816 |

| Year | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|
| Annual Bill w/o solar | $9,767 | $10,043 | $10,320 | $10,596 | $10,873 | $11,150 | $11,426 | $11,703 | $11,979 |
| Annual Bill w solar | $1,679 | $1,729 | $4,468 | $1,832 | $1,883 | $1,934 | $1,986 | $2,038 | $2,090 |
| Incentive & Depreciatoin Summary | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Energy Bill Saving | $8,088 | $8,314 | $5,851 | $8,765 | $8,990 | $9,215 | $9,440 | $9,665 | $9,889 |
| Annual Cash Flow | $8,088 | $8,314 | $5,851 | $8,765 | $8,990 | $9,215 | $9,440 | $9,665 | $9,889 |
| Cumulative Cash Flow | $31,904 | $40,218 | $46,069 | $54,834 | $63,824 | $73,039 | $82,479 | $92,144 | $102,033 |

| Year | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | Total |
|---|---|---|---|---|---|---|---|---|---|
| Annual Bill w/o solar | $12,256 | $12,532 | $12,809 | $13,085 | $13,362 | $13,639 | $13,915 | $14,192 | $271,824 |
| Annual Bill w solar | $2,142 | $2,195 | $2,247 | $4,988 | $2,353 | $2,406 | $2,459 | $2,513 | $52,565 |
| Incentive & Depreciatoin Summary | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $14,031 |
| Energy Bill Saving | $10,114 | $10,338 | $10,562 | $8,097 | $11,009 | $11,232 | $11,456 | $11,679 | $219,260 |
| Annual Cash Flow | $10,114 | $10,338 | $10,562 | $8,097 | $11,009 | $11,232 | $11,456 | $11,679 | |
| Cumulative Cash Flow | $112,147 | $122,484 | $133,046 | $141,144 | $152,153 | $163,385 | $174,841 | $186,520 | |

Payback period refers to the period of time required for the benefits of your solar system to repay the sum of your original investment. Above table of cash flow and payback analysis includes tax effects (if applicable), rate and cost inflation and other time-related cash flow factors.

We recommend you, solar system buyer, to consult with local tax professional to verify and confirm any tax effects. This is only a preliminary estimate and may be altered due to changes in system design of financial assumptions. SRI Wind Solar, solar system seller, will not take responsibility for any future changes in tax law or other incentives.

**Customer / Buyer:**
Deb Daniels
360 S Oxford Rd, Oxford, KS 67119, USA
Phone: 316-293-6961
E-mail:
daniels@sunflowershrimp.com

**Seller:**
SRI Wind Solar
3116 N 8th St, Arkansas City, KS, United States
Phone: 316-204-3604
License: BUS2005-06416 / IBC Class B General

**Sales Consultant:**
SterlingCondit
Phone: 316-204-3604
E-mail: sterling@sriwindsolar.com

## Proposed System Layout and Description

SRI Wind Solar proposes to design, permit and install a complete turn-key solar PV system at below site address. All necessary electrical and structural engineering calculations, permit drawings package, materials and installation labor are included. SRI Wind Solar will provide 2-year installation workmanship warranty.

| | |
|---|---|
| Site Address: | 360 S Oxford Rd, Oxford, KS 67119, USA |
| Project Type: | Residential, Roof Mount |
| System Size: | 26.9 KW-STC (24.2 KW-PTC) |
| Panel Manufacturer: | China Sunergy (Nanjing) |
| Panel Model: | CSUN320-72P |
| Panel Qty: | 84 pcs |
| Inverter Manufacturer: | Ningbo Ginlong Technologies |
| Inverter Model: | Solis-1P7.6K-4G-US |
| Inverter Qty: | 3 pcs |
| Racking Manufacturer: | Dual Rack |
| Est System Output: | 44,162.55KWH (first year) |

Final installed solar panel layout may be different with the estimated layout above due to unforeseen condition of panel supporting infrastructure.

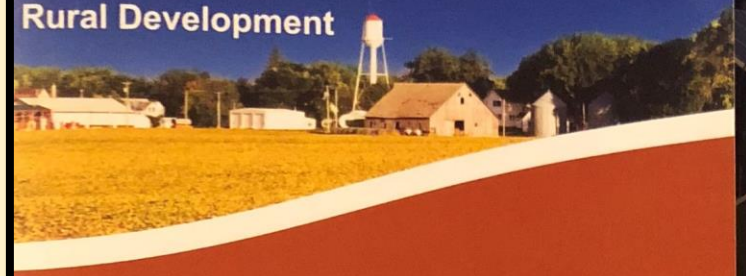
## Project Cost and Financial Analysis

**Project Cost Summary**

| | | |
|---|---|---|
| **Contract Price / Project Cost** | **$46,771.20** | ($1.74/Watt-STC) |
| Less Fed. Tax Credit | $14,031.36 | |
| Less State Tax Credit | $0.00 | |
| **Net Price (year of installation)** | **$32,739.84** | ($1.22/Watt-STC) |
| Less other incentives (Year 1-10) | $0.00 | |
| **Net Price (all years)** | **$32,739.84** | ($1.22/Watt-STC) |

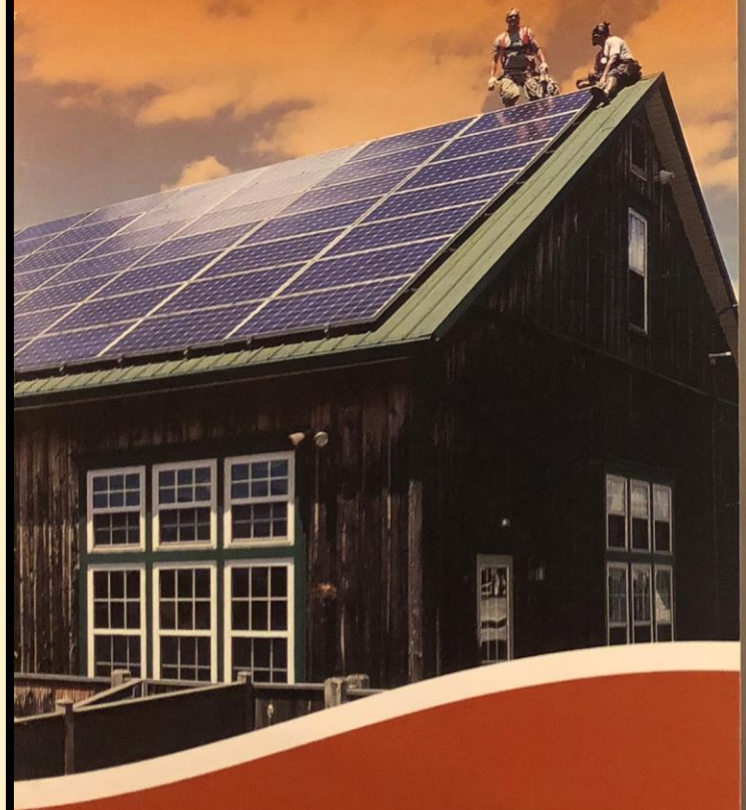
USDA United States Department of Agriculture

Rural Development



# Lower Your Energy Costs

Help for ag producers and rural small businesses



*From USDA Rural Development*

## Rural Energy for America Program (REAP)

REAP provides assistance to agricultural producers and rural small businesses for renewable energy systems and energy efficiency improvements through Federal loan guarantees and grants. Funds may be used to purchase, install, and construct:

Renewable energy systems, including:

- Wind;
- Solar;
- Biomass, including anaerobic digesters;
- Geothermal; and more.

Energy efficiency projects, including:

- Heating, ventilation, and air conditioning systems;
- Insulation;
- Lighting;
- Cooling or refrigeration units;
- Controls and equipment;
- Doors, windows, and other building improvements; and more.

Grants can finance up to 25 percent of the project cost, and loans or loan and grant combinations can finance up to 75 percent of the project cost.

**Deadlines:**
**Oct 31, 2018**
**April 1, 2019**
**For $20K or less**

**Unrestricted grants:**
**April 1, 2019**

**Ag producers with 50%+ of their gross income from ag operations and in eligible rural areas**

**Contact your Kansas Rural Development office for more information**

# PLACING THE BRACKETS AND ADDING THE RAILS

**CARRYING THE PANELS OVER THE ROOF TO INSTALL ON THE RAILS**


SRI Wind Solar
www.sriwindsolar.com
(316) 204-3604

**Working late to beat the heat!**

**PANELS ALL INSTALLED, AND WIRING HAS BEEN RUN TO INVERTERS**

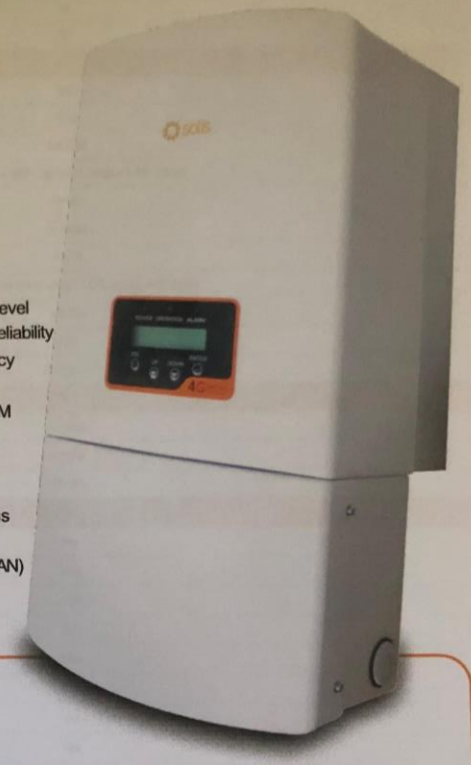

LIGHTNING INTERRUPTERS


Single 4G

7.6kW

# 4G

## All NEW Solis Series



### Solis 4G Single Phase US Inverter

- Industry-leading 3 and 4 MPPT designs
- 97.8% peak efficiency (97.5% CEC efficiency)
- High switching frequency at 30KHz, reducing induction loss and noise level
- Fan-less natural convection technology and NEMA 4X enclosure for high reliability
- The 5th generation Infineon IGBT technology, improving the efficiency by 0.5-0.8%
- The latest TI28062 DSP, improving CPU processing speed and PWM resolution increased by 1.5 times
- CA Rule 21 compliance and UL 1741 SA certified
- Optional built-in RGM
- Easy to install and visually pleasing for indoor or outdoor installations
- Integrated Arc Fault Circuit Interrupt (AFCI)
- RS485 Modbus communication protocol with Wi-Fi interface (optional GPRS/LAN)
- Web based data monitoring with downloadable Solis Web App.
- 10 Year Standard Warranty with extension options

### Model:

Solis-1P7.6K-4G-US

### Features:

HF SWITCH
High switch frequency

CA Rule 21

AFCI

WiFi/GPRS /LAN
Real time monitoring

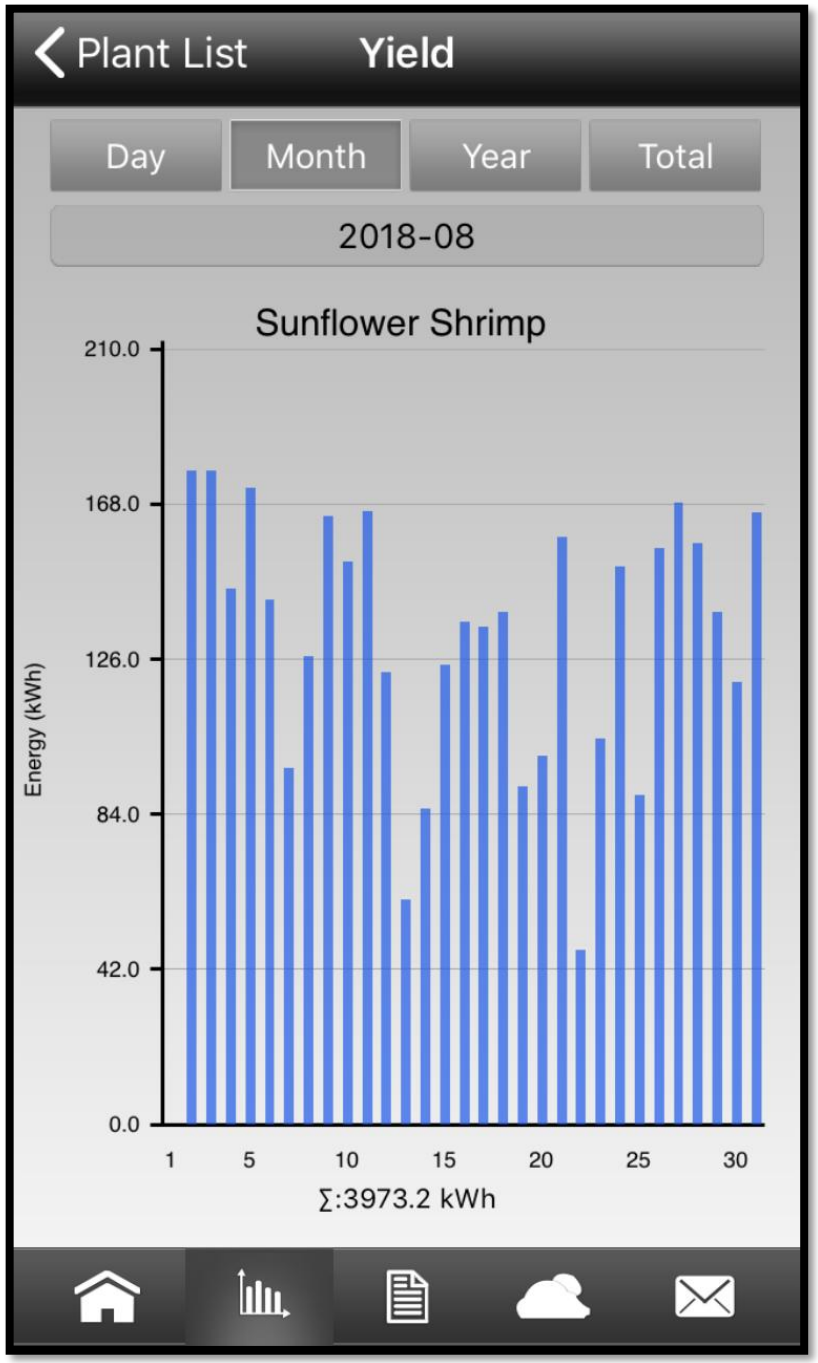
NEMA 4X

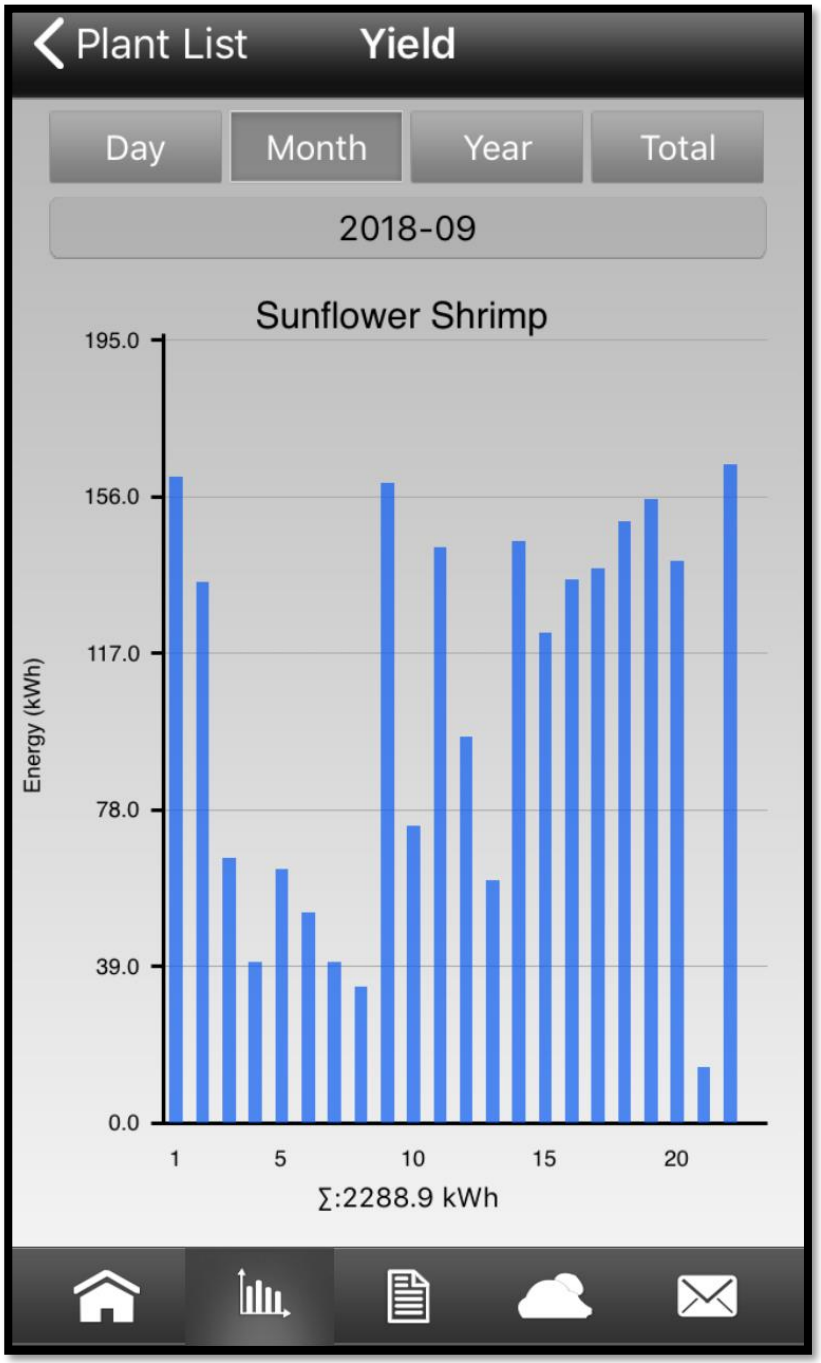
App Store

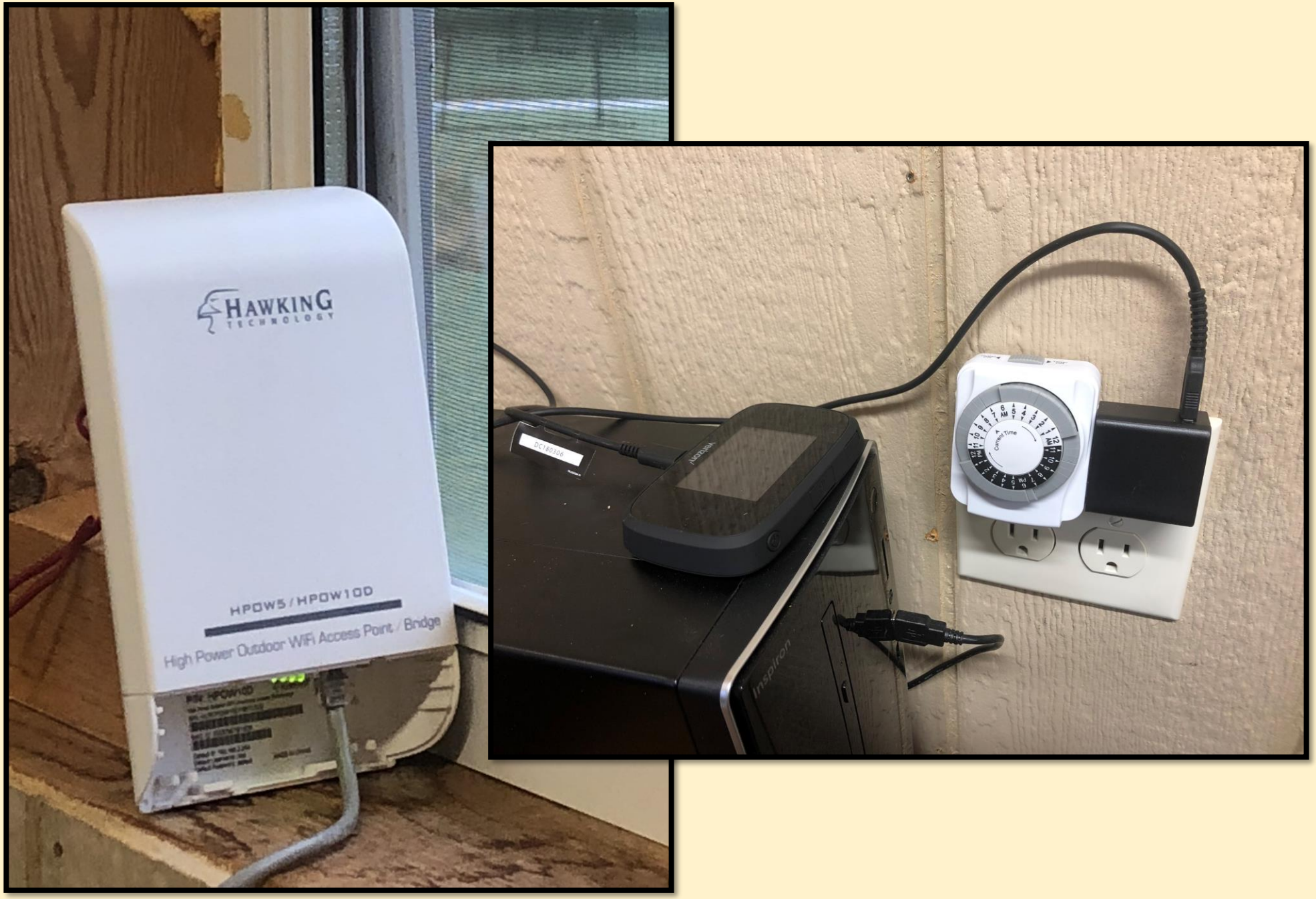
App Store



**3 GREEN LIGHTS, NEW TRANSFORMER AND NET METER RUNNING BACKWARDS!!**


Plant List
Yield
Day
Month
Year
Total
2018-08
Sunflower Shrimp
210.0
168.0
126.0
84.0
42.0
0.0
Energy (kWh)
1
5
10
15
20
25
30
∑:3973.2 kWh


Plant List
Yield
Day
Month
Year
Total
2018-09
Sunflower Shrimp
195.0
156.0
117.0
78.0
39.0
0.0
Energy (kWh)
1
5
10
15
20
∑:2288.9 kWh



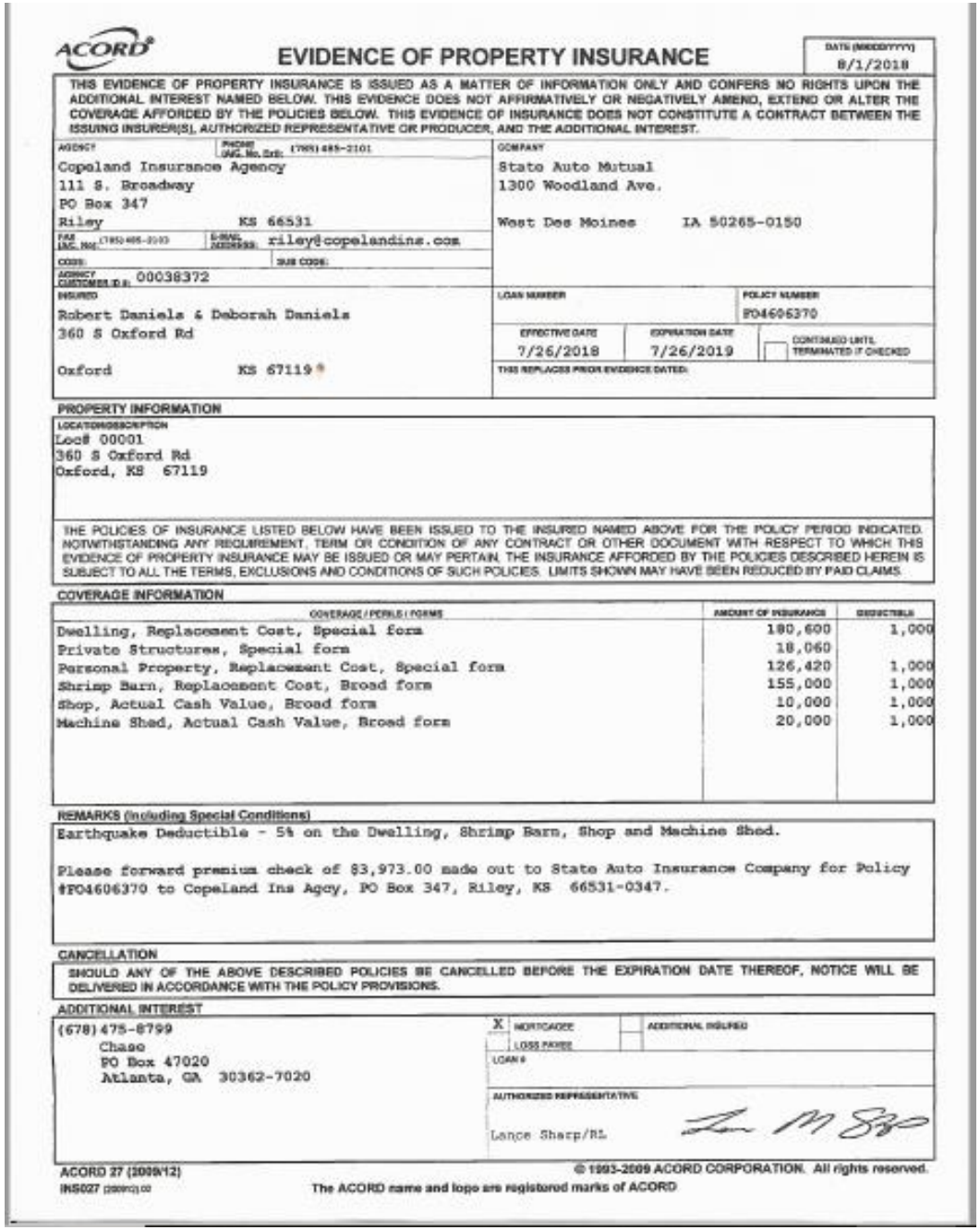

**WIFI SIGNAL BOOSTER, VERIZON MiFi INTERNET HOTSPOT AND TIMER FOR CONSTANT CHARGE**

**All the employees are proud to be helping the environment with a tiny footprint!**


The sun is shining on Sunflower Shrimp!

# Necessary considerations:

1.) Permitting – local, state and energy grid requirements
2.) Bank loans/collateral
3.) Insurance coverage for panels
4.) Licensed, bonded and insured installers
4.) Property tax impact
5.) Heaps of paperwork and deadlines
6.) Internet/wi-fi capabilities for system monitoring



ACORD

# EVIDENCE OF PROPERTY INSURANCE

DATE (MM/DD/YYYY): 8/1/2018

THIS EVIDENCE OF PROPERTY INSURANCE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE ADDITIONAL INTEREST NAMED BELOW. THIS EVIDENCE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS EVIDENCE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE ADDITIONAL INTEREST.

**AGENCY** — PHONE (A/C, No, Ext): (785) 485-2101

Copeland Insurance Agency
111 S. Broadway
PO Box 347
Riley KS 66531

FAX (A/C, No): (785) 485-2103 — E-MAIL ADDRESS: riley@copelandins.com

CODE: — SUB CODE:

AGENCY CUSTOMER ID #: 00038372

**COMPANY**

State Auto Mutual
1300 Woodland Ave.
West Des Moines IA 50265-0150

**INSURED**

Robert Daniels & Deborah Daniels
360 S Oxford Rd
Oxford KS 67119

**LOAN NUMBER** —

**POLICY NUMBER**: PO4606370

**EFFECTIVE DATE**: 7/26/2018 — **EXPIRATION DATE**: 7/26/2019 — CONTINUED UNTIL TERMINATED IF CHECKED ☐

THIS REPLACES PRIOR EVIDENCE DATED:

**PROPERTY INFORMATION**

LOCATION/DESCRIPTION
Loc# 00001
360 S Oxford Rd
Oxford, KS 67119

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS EVIDENCE OF PROPERTY INSURANCE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

**COVERAGE INFORMATION**

| COVERAGE / PERILS / FORMS | AMOUNT OF INSURANCE | DEDUCTIBLE |
|---|---|---|
| Dwelling, Replacement Cost, Special form | 180,600 | 1,000 |
| Private Structures, Special form | 18,060 | |
| Personal Property, Replacement Cost, Special form | 126,420 | 1,000 |
| Shrimp Barn, Replacement Cost, Broad form | 155,000 | 1,000 |
| Shop, Actual Cash Value, Broad form | 10,000 | 1,000 |
| Machine Shed, Actual Cash Value, Broad form | 20,000 | 1,000 |

**REMARKS (Including Special Conditions)**

Earthquake Deductible - 5% on the Dwelling, Shrimp Barn, Shop and Machine Shed.

Please forward premium check of $3,973.00 made out to State Auto Insurance Company for Policy #PO4606370 to Copeland Ins Agcy, PO Box 347, Riley, KS 66531-0347.

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

**ADDITIONAL INTEREST**

(678) 475-8799
Chase
PO Box 47020
Atlanta, GA 30362-7020

X MORTGAGEE ☐ ADDITIONAL INSURED
☐ LOSS PAYEE

LOAN #

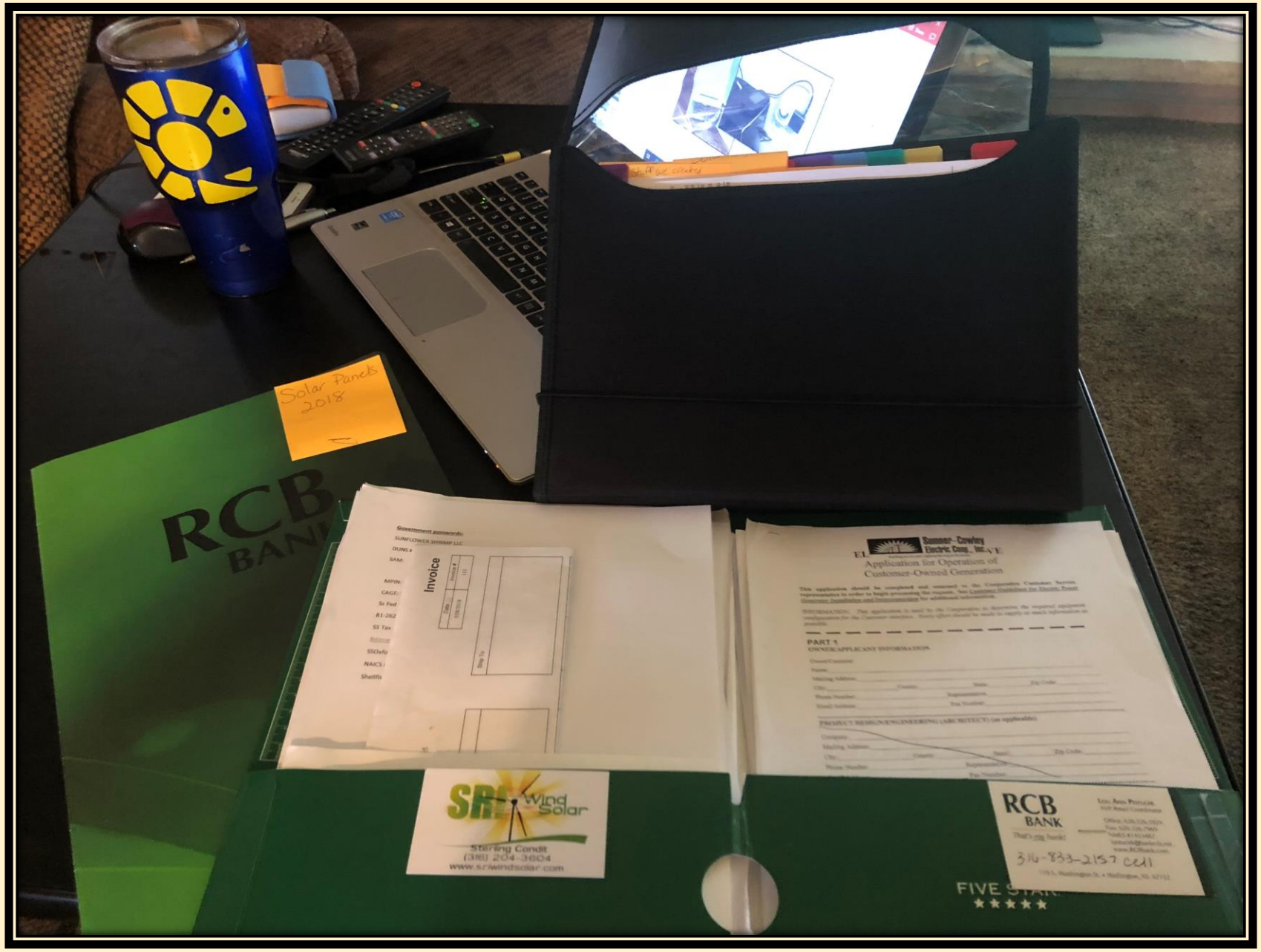
AUTHORIZED REPRESENTATIVE
Lance Sharp/RL

ACORD 27 (2009/12)
INS027 (2009/12).00



**Insurance coverage is a must if you have a loan, and not all insurance companies will insure solar panels!**

**Copeland Insurance or other independent insurance companies can find you the best options**




# PASSWORDS, PAPERWORK AND FILES….OH MY!!

Overhead Shot of Sunflower Shrimp heading toward the future!

# SOMEWHERE OVER THE RAINBOW


# AND THE SKIES ARE NOT CLOUDED ALL DAY

SUNFLOWER SHRIMP

## Electrical Characteristics at Standard Test Conditions (STC)

| Module Type | CSUN 320-72P | CSUN 315-72P | CSUN 310-72P | CSUN 305-72P | CSUN 300-72P |
|---|---|---|---|---|---|
| Maximum Power - Pmpp (W) | 320 | 315 | 310 | 305 | 300 |
| Positive Power Tolerance | 0~3% | 0~3% | 0~3% | 0~3% | 0~3% |
| Open Circuit Voltage - Voc (V) | 45.0 | 44.9 | 44.8 | 44.7 | 44.5 |
| Short Circuit Current - Isc (A) | 9.17 | 9.11 | 9.03 | 8.97 | 8.91 |
| Maximum Power Voltage - Vmpp (V) | 36.2 | 36.1 | 36.0 | 35.9 | 35.8 |
| Maximum Power Current - Impp (A) | 8.84 | 8.73 | 8.61 | 8.50 | 8.37 |
| Module Efficiency | 16.52% | 16.27% | 16.01% | 15.75% | 15.49% |

Electrical data relates to standard test conditions (STC) : Irradiance 1000W /m² ; AM 1.5 ; cell temperature 25°C measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL 1703

## Electrical Characteristics at Nominal Operating Cell Temperature (NOCT)

| Module Type | CSUN 320-72P | CSUN 315-72P | CSUN 310-72P | CSUN 305-72P | CSUN 300-72P |
|---|---|---|---|---|---|
| Maximum Power - Pmpp (W) | 235 | 232 | 228 | 225 | 220 |
| Maximum Power Voltage - Vmpp (V) | 34.1 | 33.8 | 33.5 | 33.2 | 32.9 |
| Maximum Power Current - Impp (A) | 6.89 | 6.86 | 6.80 | 6.77 | 6.71 |
| Open Circuit Voltage - Voc (V) | 41.6 | 41.5 | 41.4 | 41.3 | 41.1 |
| Short Circuit Current - Isc (A) | 7.40 | 7.34 | 7.30 | 7.24 | 7.19 |

Electrical data relates to nominal operating cell temperature (NOCT): Irradiance 800W /m²; wind speed 1 m/s ; cell temperature 45°C; ambient temperature 20°C measuring uncertainty of power is within ±3%.

## Temperature Characteristics

| | |
|---|---|
| Voltage Temperature Coefficient | -0.292%/K |
| Current Temperature Coefficient | +0.045%/K |
| Power Temperature Coefficient | -0.408%/K |

## Maximum Ratings

| | |
|---|---|
| Maximum System Voltage (V) | 1000 |
| Series Fuse Rating (A) | 20 |
| Reverse Current Overload (A) | 27 |

## Mechanical Characteristics

| | |
|---|---|
| Dimensions | 1956 × 990 × 50 mm |
| Weight | 22.3 kg |
| Frame | Anodized aluminum profile |
| Front glass | Toughened low Iron glass, 3.2 mm |
| Cell Encapsulation | EVA (Ethylene-Vinyl-Acetate) |
| Back Sheet | Composite film |
| Cells | 6x12 polycrstalline solar cells (4BB or 5BB 156 X156mm) |
| Junction Box | Rated current ≥ 12A, IP ≥ 65, TUV & UL |
| Cable | Length 900 mm, 1 × 4 mm² |
| Connector | MC 4/ compatible with MC 4 |

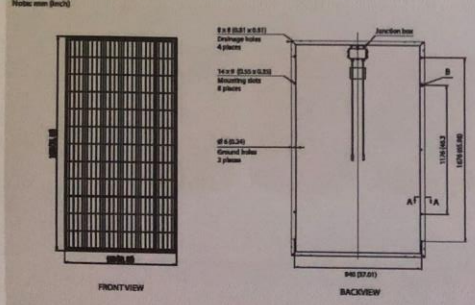
## Packaging

| | |
|---|---|
| Container 20' | 252 pcs. |
| *Container 40'* | *504 pcs.* |
| Container 40'HC | 552 pcs. |

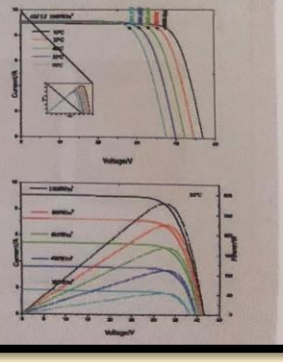
## System Design

| | |
|---|---|
| Temp. Range | -40°C to + 85°C |
| *Hail* | *Max. diameter of 25mm with 23m/s impact speed* |
| Max. Capacity | Snow 5400 Pa, wind 2400 Pa |
| Application Class | A |
| Safety Class | II |

## Dimensions




## IV-Curves



## Construction Phase


## The Dream Begins!

# Interior Construction Phase


**The shrimp arrive from Indiana–let production operations begin!**

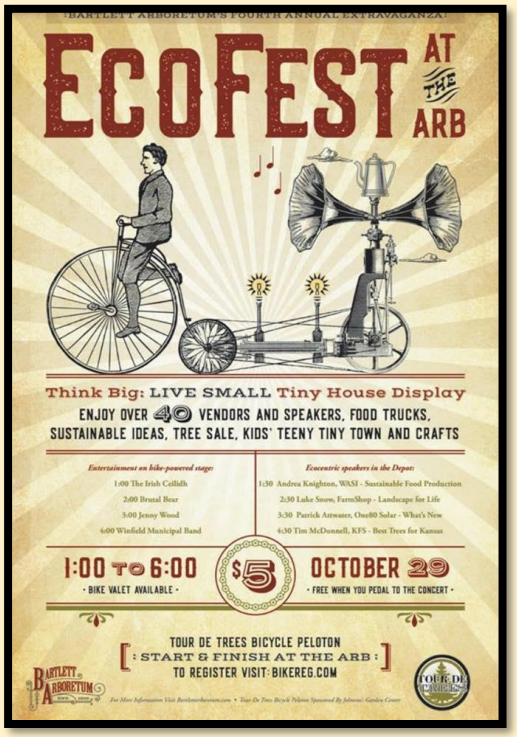




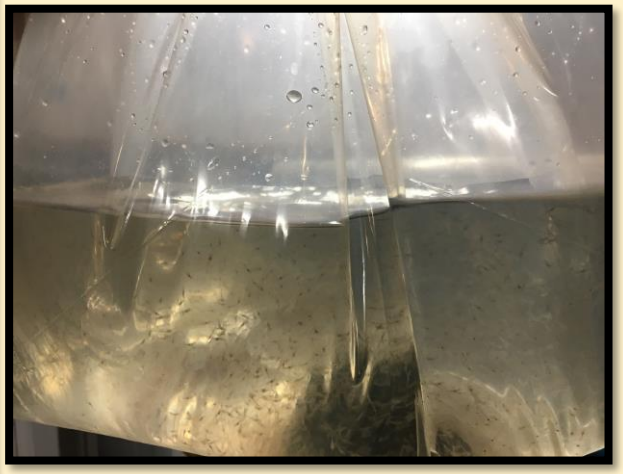



# Local Marketing


# Consumer Education

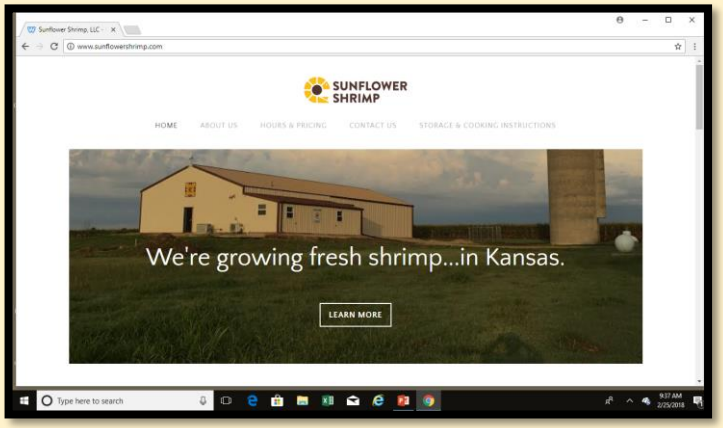


## All the hard work pays off! Yummy Results!

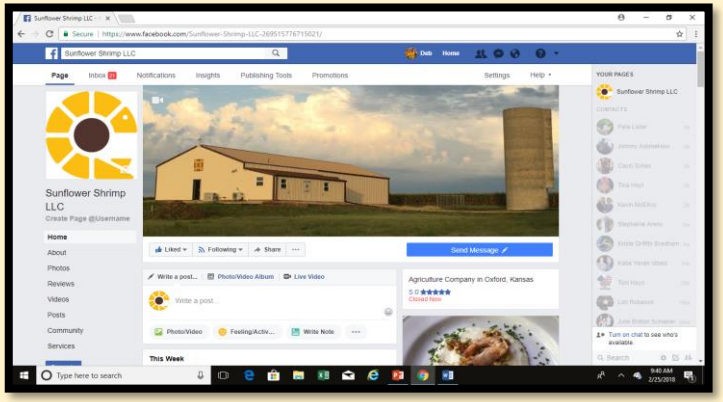


# Nursery – the next phase

# Recognition and Outreach


Sunflowershrimp.com


**Facebook – Sunflower Shrimp LLC**

The Wichita Eagle


# More VIP visitors!


**Sunflower Shrimp LLC**
November 21, 2016 ·

Here is the link for the radio interview we did with Guy Bower on The Good Life radio show on KNSS.
http://media.knssradio.com/the-good-life.htm.
Choose the November 5th show and start with segment 1-3. We were honored to welcome Guy to Sunflower Shrimp and hope you enjoy the interview! Thanks again Guy Bower!

THE GOOD LIFE
KNSS 1330/98.7

The Good Life
Guy's conversation with Bob & Deb Daniels of Sunflower Shrimp centers around the environmental & chemical challenges of farming shrimp.

MEDIA.KNSSRADIO.COM

**Who is Cooking: Chef Eric Gephart**

Chef Eric Gephart is the Director of Culinary Inspiration for Kamado Joe Ceramic Grills. Working in restaurants while attending college, Chef Eric developed an interest and a passion for cooking. After graduating from UNC Wilmington with a degree in literature, Chef Eric pursued his culinary passion, graduating from the Culinary Institute of America in New York. Post grad, he migrated south.

Over the years, Chef Eric opened and operated two separate restaurants along the eastern North Carolina coast and racked up several Top Chef of Wilmington awards from 2008-2010.

Chef Eric has spent time in distinguished kitchens from New York City to New Zealand to Naples, Florida. His education and extensive experience eventually lead to an opportunity for him to help open The Chef's Academy in Morrisville. This has quickly grown to be a notable culinary school in the Triangle area of North Carolina, offering education to those wishing to pursue a career in the culinary arts or pastry arts fields.

In addition to his many culinary awards and accomplishments, the theme consistent with Chef Eric is his passion for culinary education and community involvement. Chef Eric finds himself "constantly inspired" with kamado style of cooking and menu ideas and travels the world celebrating the Kamado Joe lifestyle and building meaningful relationships with kamado cooking enthusiasts.

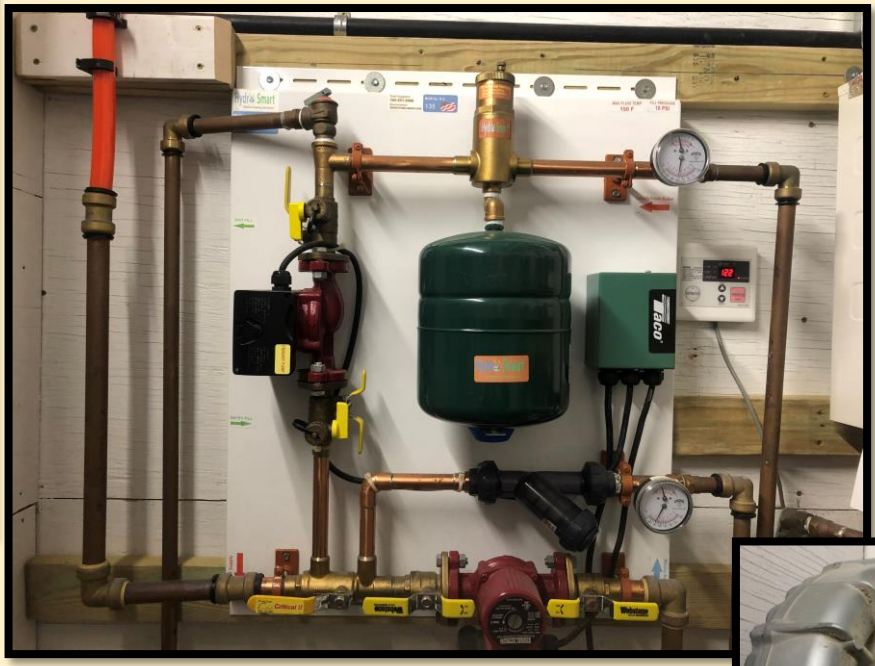

Positively Kansas Episode 202
136 views

**KWCH 12 Eyewitness News**
May 9, 2017 ·

Did you know there's a place that grows fresh shrimp right here in Kansas? Shane is there to see what it takes:


Where's Shane? Sunflower Shrimp
This morning, Shane is in Oxford where they grow saltwater shrimp.
KWCH.COM

# Mechanical Room




# Daily Water Testing in the Lab